

EXPONENTS AND DIAMETERS OF STRONG PRODUCTS OF DIGRAPHS*

BYEONG MOON KIM[†], BYUNG CHUL SONG[†], AND WOONJAE HWANG[‡]

Abstract. The exponent of the strong product of a digraph of order m and a digraph of order n is shown to be bounded above by $m + n - 2$, with equality for $Z_m \boxtimes Z_n$. The exponent and diameter of the strong product of a graph and a digraph are also investigated.

Key words. Strong product of digraphs, Exponent, Diameter.

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[†]Department of Mathematics, Gangneung-Wonju National University, Gangneung 210-702, Korea (kbn@gwnu.ac.kr, bcsong@gwnu.ac.kr).

[‡]Department of Information and Mathematics, Korea University, Jochiwon 339-700, Korea (woon-jae@korea.ac.kr).